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**** WARNING ** WARNING ** WARNING ** WARNING ****
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September 23, 2005

04-Son-101-34.6/36.0
04-263904
CML-6204(058)

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SONOMA COUNTY IN SANTA ROSA FROM 0.4 KM SOUTH OF STEELE LANE UNDERCROSSING TO 0.2 KM SOUTH OF BICENTENNIAL WAY OVERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on October 12, 2005, instead of the original date of October 5, 2005.

This addendum is being issued to set a new bid opening date as shown herein, and to revise the Project Plans, the Notice to Contractors and Special Provisions and the Proposal and Contract.

Project Plan Sheets 1, 5, 6, 7, 8, 11, 12, 13, 14, 16, 19, 22, 25, 37, 38, 41, 42, 43, 44, 45, 49, 50, 51, 52, 79, 99, 100, 106, 107, 127, 129, 131, 135 and 137 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 25A, 150A, 150B, 150C, 150D and 180A are added. Half-sized copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 5-1.19, "AERIALLY DEPOSITED LEAD," is revised as attached.

In the Special Provisions, Section 10-1.35, "MATERIAL CONTAINING AERIALLY DEPOSITED LEAD," is revised as attached.

In the Special Provisions, Section 10-1.465, "RECYCLED ASPHALT CONCRETE (CONTRACTOR OPTION)," is added as attached.

In the Special Provisions, Section 10-1.495, "DISPOSAL OF PORTLAND CEMENT CONCRETE (PCC) PAVEMENT GROOVING AND GRINDING RESIDUES," is added as attached.

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In the Proposal and Contract, the Engineer's Estimate Items 55, 94, 114, 115 and 118 are revised, Items 99 and 113 are deleted as attached.

To Proposal and Contract book holders:

Replace pages 5, 7 and 8 of the Engineer's Estimate in the Proposal with the attached revised pages 5, 7 and 8 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the NOTICE TO CONTRACTORS section of the Notice to Contractors and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief
Office of Plans, Specifications & Estimates
Office Engineer

Attachments

5-1.19 AERIALLY DEPOSITED LEAD

Aerially deposited lead is present within the project limits. Aerially deposited lead is lead deposited within unpaved areas or formerly unpaved areas, primarily due to vehicle emissions.

Attention is directed to "Material Containing Aerially Deposited Lead" and "Project Information" of these special provisions.

Portions of the site investigation report are included in the "Material Information" handout. The complete report, entitled "Site Investigation Report Soil, Groundwater and Asbestos Investigation, State Route 101 Project, Santa Rosa, Sonoma County, California," is available for inspection at the Department of Transportation, Duty Seniors Desk, 111 Grand Avenue, Oakland, CA-510-286-5209.

Once the Contractor has completed the placement of material containing aerially deposited lead in conformance with these special provisions and as directed by the Engineer, the Contractor shall have no responsibility for such materials. The Department will not consider the Contractor a generator of such contaminated materials.

Excavation, reuse, and disposal of material with aerially deposited lead shall be in conformance with all rules and regulations including, but not limited to, those of the following agencies:

A. United States Department of Transportation,
B. United States Environmental Protection Agency,
C. California Environmental Protection Agency,
D. California Department of Health Services,
E. Department of Toxic Substances Control, North Region
F. California Division of Occupational Safety and Health Administration,
G. Integrated Waste Management Board,
H. Regional Water Quality Control Board, Region 1,
I. State Air Resources Control Board, and
J. Bay Area Air Quality Management District (BAAQMD).

Materials containing hazardous levels of lead shall be transported and disposed of in conformance with Federal and State laws and regulations, as amended, and county and municipal ordinances and regulations, as amended. Laws and regulations that govern this work include, but are not limited to:

A. Health and Safety Code, Division 20, Chapter 6.5 (California Hazardous Waste Control Act),
B. Title 22, California Code of Regulations, Division 4.5 (Environmental Health Standards for the Management of Hazardous Waste), and
C. Title 8, California Code of Regulations.

10-1.35 MATERIAL CONTAINING AERIALLY DEPOSITED LEAD

Earthwork involving material containing aerially deposited lead shall conform to the provisions in Section 19, "Earthwork" of the Standard Specifications and these special provisions.

Attention is directed to "Aerially Deposited Lead" of these special provisions.

Type Y-2 material contains aerially deposited lead in average concentrations that exceed one or more of the limits of Type Y-1 material but are less than 50 mg/L extractable lead (based on a modified waste extraction test using deionized water as the extractant) and less than 3397 mg/kg of total lead. Type Y-2 material exists on the northbound and southbound shoulders between 0 m and 1.5 m, measured horizontally from the edges of existing pavement, from Station 236+63 to Station 238+02, and from Station 238+58 to Station 246+50, at a depth of 0.0 m to 0.3 m below existing grade. Type Y-2 material also exists between 0 m and 1.5 m, measured horizontally from the edges of existing pavement, from Station 38+50 to Station 39+00 and from Station 40+00 to Station 41+00 on the Route 101 northbound onramp from Steele Lane, at a depth of 0 m to 0.3 m below existing grade. This material shall be placed in the median of Route 101 within the project limits and as shown on the plans, unless otherwise directed by the Engineer, and covered with a layer of pavement. This material is hazardous waste regulated by the State of California that may be reused as permitted under the Variance of DTSC provided that the lead contaminated soil is placed a minimum of 1.5 m above the maximum water table elevation and protected from infiltration by a pavement structure which will be maintained by the Department. Temporary surplus material may be generated on this project due to the requirements of stage construction. Temporary surplus material shall not be transported outside the State right of way. In order to conform to the requirements of these provisions, it may be necessary to stockpile material for subsequent stages, to construct some embankments out of stage, or to handle temporary surplus material more than once.

Type Z-3 material contains aerially deposited lead in average concentrations (using the 95 percent Upper Confidence Limit) greater than 5.0 mg/L soluble lead, as tested using the Total Concentration Leaching Potential Test. Type Z-3 material exists between 0 m and 1.5 m, measured horizontally from the edges of existing pavement, from Station 39+00 to Station 40+00 on the Route 101 northbound onramp from Steele Lane at a depth of 0 m to 0.3 m below existing grade. This material is Federally regulated hazardous waste and shall be transported to and disposed of at a Class I Disposal Site. Material excavated from these areas shall be transported by a hazardous waste transporter registered with the DTSC using the required procedures for creating a manifest for the material. The vehicles used to transport the hazardous material shall conform to the current certifications of compliance of the DTSC.

LEAD COMPLIANCE PLAN

The Contractor shall prepare a project specific Lead Compliance Plan to prevent or minimize worker exposure to lead while handling material containing aerially deposited lead. Attention is directed to Title 8, California Code of Regulations, Section 1532.1, “Lead,” for specific California Department of Industrial Relations, Division of Occupational Safety and Health (Cal-OSHA) requirements when working with lead.

The Lead Compliance Plan shall contain the elements listed in Title 8, California Code of Regulations, Section 1532.1(e)(2)(B). Before submission to the Engineer, the Lead Compliance Plan shall be approved by an Industrial Hygienist certified in Comprehensive Practice by the American Board of Industrial Hygiene. The plan shall be submitted to the Engineer for review and acceptance at least 15 days prior to beginning work in areas containing aerially deposited lead.

The Contractor shall not work in areas containing aerially deposited lead within the project limits, unless authorized in writing by the Engineer, until the Engineer has accepted the Lead Compliance Plan.

Prior to performing work in areas containing aerially deposited lead, personnel who have no prior training or are not current in their training status, including Department personnel, shall complete a safety training program provided by the Contractor. The safety training program shall meet the requirements of Title 8, California Code of Regulations, Section 1532.1, "Lead."

Personal protective equipment, training, and washing facilities required by the Contractor's Lead Compliance Plan shall be supplied to Department personnel by the Contractor. The number of Department personnel will be 5.

The Engineer will notify the Contractor of acceptance or rejection of the submitted or revised Lead Compliance Plan not more than 10 days after submittal of the plan.

The contract lump sum price paid for Lead Compliance Plan shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work involved in preparing the Lead Compliance Plan, including paying the Certified Industrial Hygienist, and for providing personal protective equipment, training and medical surveillance, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

EXCAVATION AND TRANSPORTATION PLAN

Within 7 days after approval of the contract, the Contractor shall submit 3 copies of an Excavation and Transportation Plan to the Engineer. The Engineer will have 7 days to review the plan. If revisions are required, as determined by the Engineer, the Contractor shall revise and resubmit the plan within 7 days of receipt of the Engineer's comments. The Engineer will have 7 days to review the revisions. Upon the Engineer's approval of the plan, 3 additional copies incorporating the required changes shall be submitted to the Engineer. Minor changes to or clarifications of the initial submittal may be made and attached as amendments to the Excavation and Transportation Plan. In order to allow construction to proceed, the Engineer may conditionally approve the plan while minor revisions or amendments are being completed.

The Contractor shall prepare the written, project specific Excavation and Transportation Plan establishing the procedures the Contractor will use to comply with requirements for excavating, stockpiling, transporting, and placing (or disposing) of material containing aerially deposited lead. The plan shall conform to the regulations of the DTSC and Cal-OSHA. The sampling and analysis portions of the Excavation and Transportation Plan shall meet the requirements for the design and development of the sampling plan, statistical analysis, and reporting of test results contained in USEPA, SW 846, "Test Methods for Evaluating Solid Waste," Volume II: Field Manual Physical/Chemical, Chapter Nine, Section 9.1. The plan shall contain, but not be limited to the following elements:

A. Excavation schedule (by location and date),
B. Temporary locations of stockpiled material,
C. Dust control measures,
D. Transportation equipment and routes,
E. Method for preventing spills and tracking material onto public roads,
F. Truck waiting and staging areas,
G. Site for disposal of hazardous waste,
H. Spill Contingency Plan for material containing aerially deposited lead.

DUST CONTROL

Excavation, transportation, placement, and handling of material containing aerially deposited lead shall result in no visible dust migration. The Contractor shall have a water truck or tank on the job site at all times while clearing and grubbing and performing earthwork operations in work areas containing aerially deposited lead.

STOCKPILING

Stockpiles of material containing aerially deposited lead shall not be placed where affected by surface run-on or run-off. Stockpiles shall be covered with plastic sheeting 0.33 mm minimum thickness or 0.3 m of non-hazardous material. Stockpiles shall not be placed in environmentally sensitive areas. Stockpiled material shall not enter storm drains, inlets, or waters of the State.

MATERIAL TRANSPORTATION

Prior to traveling on public roads, loose and extraneous material shall be removed from surfaces outside the cargo areas of the transporting vehicles and the cargo shall be covered with tarpaulins or other cover, as outlined in the approved Excavation and Transportation Plan. The Contractor shall be responsible for costs due to spillage of material containing lead during transport.

The Department will not consider the Contractor a generator of the hazardous material, and the Contractor will not be obligated for further cleanup, removal, or remedial action for such material handled or disposed of in conformance with the requirements specified in these special provisions and the appropriate State and Federal laws and regulations and county and municipal ordinances and regulations regarding hazardous waste.

DISPOSAL

Materials containing aerially deposited lead shall be disposed of within California. The disposal site shall be operating under a permit issued by the appropriate California Environmental Protection Agency board or department.

The Engineer will obtain the Environmental Protection Agency Generator Identification Number for hazardous waste disposal. The Engineer will sign all hazardous waste manifests. The Contractor shall notify the Engineer 5 days before the manifests are to be signed.

Sampling, analyzing, transporting, and disposing of material containing aerially deposited lead excavated outside the pay limits of excavation will be at the Contractor's expense.

MEASUREMENT AND PAYMENT

Quantities of roadway excavation (aerially deposited lead), of the types shown in the Engineer's Estimate, will be measured and paid for in the same manner specified for roadway excavation in Section 19, "Earthwork," of the Standard Specifications.

Full compensation for preparing an approved Excavation and Transportation Plan, transporting material containing aerially deposited lead reused in the work from location to location, and transporting and disposing of material containing aerially deposited lead shall be considered as included in the contract prices paid per cubic meter for the items of roadway excavation (aerially deposited lead) involved, and no additional compensation will be allowed therefor.

No payment for stockpiling of material containing aerially deposited lead will be made, unless the stockpiling is ordered by the Engineer.

Sampling, analyses, and reporting of results for surplus material not previously sampled will be paid for as extra work as provided in Section 4-1.03D, "Extra Work," of the Standard Specifications.

10-1.465 RECYCLED ASPHALT CONCRETE (CONTRACTOR OPTION)

At the option of the Contractor, the asphalt concrete mixture in "Asphalt Concrete" of these special provisions may consist of recycled asphalt concrete.

Recycled asphalt concrete shall conform to the provisions for asphalt concrete in "Asphalt Concrete" of these special provisions except that reclaimed asphalt pavement may be substituted for virgin aggregate at a rate of up to 15 percent by dry mass of the aggregate in the asphalt concrete.

Asphalt binder used in recycled asphalt concrete shall be the same specified for asphalt concrete in "Asphalt Concrete" of these special provisions.

Virgin aggregate to be combined with reclaimed asphalt pavement shall conform to the provisions of "Quality Control/Quality Assurance" of these special provisions.

Reclaimed asphalt pavement shall be from stockpiles, from single or multiple sources, located on surfaces that are smooth and free of debris and organic material. Stockpiles shall consist of only reclaimed asphalt pavement. The material in each reclaimed asphalt pavement stockpile shall be uniformly blended and homogeneous. Stockpiling and processing of reclaimed asphalt pavement will be permitted throughout the life of the project. Stockpiling and processing of reclaimed asphalt pavement shall be performed in a manner that will prevent contamination and segregation of the material. The Engineer shall be given unrestricted access to stockpiles for inspection and testing.

The amount of asphalt binder to be mixed with the combined virgin aggregate and reclaimed asphalt pavement will be determined by the Contractor in conformance with California Test 367 and will be reviewed by the Engineer in conformance with "Quality Control/Quality Assurance" of these special provisions. The asphalt content of the recycled asphalt concrete mixture shall conform to the specification limits of Table 39-9, "Minimum Quality Control Requirements" of "Quality Control/Quality Assurance" of these special provisions.

The substitution rate of reclaimed asphalt pavement for virgin aggregate shall be designated at the time of the asphalt mix design proposal. Changes in the substitution rate of reclaimed asphalt pavement will be permitted to adjust the final grade of the asphalt binder when supported by blending chart results, and with the approval of the Engineer.

Changes in the target values for aggregate gradings and asphalt content shall be considered a change in mix design in conformance with "Quality Control/Quality Assurance" of these special provisions. Changes in cold feed or hot bin proportions of the virgin aggregate to conform to the aggregate gradation requirements shall not be considered a change in the mix design.

When submitting the mix design for review in conformance with the provisions in "Quality Control/Quality Assurance" of these special provisions, the Contractor shall provide the Engineer with the following additional information:

A. Locations of processed reclaimed asphalt pavement stockpiles.
B. A 30-kg sample of processed reclaimed asphalt pavement representing the processed reclaimed asphalt pavement to be used. The sample shall be from a split sample used by the Contractor to determine the mix design for the recycled asphalt concrete produced.
C. The asphalt content of the processed reclaimed asphalt pavement sample, in conformance with the requirements in California Test 380.
D. A grading chart representing the gradation of the recycled asphalt concrete mixture. This chart will be the mathematical combination of the aggregate in reclaimed asphalt pavement and the proposed gradation of the virgin aggregate.
E. The results of gradation tests on the aggregate recovered from the reclaimed asphalt pavement sample, in conformance with the requirements in California Test 202.
F. The results of gradation tests on the combined aggregate recovered from the recycled asphalt concrete mixture proposed, in conformance with the requirements in California Test 202.
G. The results of tests on the asphalt binder recovered from the processed reclaimed asphalt pavement limited to absolute viscosity and penetration in conformance with the provisions in Section 92-1.02, "Grades," of the Standard Specifications. The rolling thin film oven (RTFO) procedure shall not be used before testing.
H. The results of tests, in conformance with the provisions in Section 92-1.02, "Grades," of the Standard Specifications, on the asphalt binder recovered from the proposed recycled asphalt concrete mixture demonstrating that the asphalt binder in the recycled asphalt concrete is the same grade as designated for asphalt concrete in "Asphalt Concrete" of these special provisions. Testing shall be limited to absolute viscosity and penetration for recovered asphalt binder. The RTFO procedure shall not be used before testing.
I. A Viscosity-Blending chart showing the grade of final asphalt binder using an asphalt blending chart similar to that shown in the Asphalt Institute, Asphalt Handbook, Manual Series No. 4 (MS-4).

Representative samples of reclaimed asphalt pavement to be used in the mix design review shall be obtained from the processed reclaimed asphalt pavement stockpiles. The Contractor shall sample and split the processed reclaimed asphalt pavement sample submitted for the mix design review from the stockpile in conformance with the provisions in California Test 125.

The provisions in "Quality Control/Quality Assurance" of these special provisions for storing and drying aggregate shall not apply to the reclaimed asphalt pavement. The virgin aggregate may be heated to a temperature of 175°C if, in the opinion of the Engineer, the higher temperature does not damage the new binder or the binder in the reclaimed asphalt pavement when the materials are combined.

The grading of the combined virgin aggregate and the processed reclaimed asphalt pavement in the recycled asphalt concrete shall conform to the specification limits of Table 39-9, "Minimum Quality Control Requirements" of "Quality Control/Quality Assurance" of these special provisions. The combined gradation shall be determined based on the mathematical combination of the virgin aggregate material gradation during production and the average reclaimed asphalt pavement gradation accepted for the mix analysis.

The Contractor's mixing equipment shall be equipped with a suitable, safe sampling device that will provide a sample, representative of actual production, of the virgin aggregate and processed reclaimed asphalt pavement being incorporated into the recycled asphalt concrete. Sampling shall conform to the provisions in "Quality Control/Quality Assurance" of these special provisions.

When recycled asphalt concrete is produced by batch mixing, the reclaimed asphalt pavement shall be kept separate from the virgin aggregate until both ingredients enter the weigh hopper or pugmill or other process as approved by the Engineer. The time of mixing after the reclaimed asphalt pavement has been added to the mix shall not be less than 35 seconds.

When recycled asphalt concrete is produced by continuous mixing, the reclaimed asphalt pavement shall be protected from direct contact with the burner flame by means of a shield, separator, second drum or other method approved by the Engineer. The binder shall be introduced into the mixer after the virgin aggregate and reclaimed asphalt pavement have been combined.

In addition to the Contractor process control requirements in "Quality Control/Quality Assurance" of these special provisions, the following tests shall be performed and test results shall be submitted to the Engineer. These tests are for information only.

Quality Characteristic	Test	Minimum Sampling and Testing Frequency	Point of Sampling	Reporting Time Allowance
Absolute viscosity of binder recovered from recycled asphalt concrete	AASHTO T202 or CT 380	10 000 tonnes 5 samples per project	Mat behind paver	5 days
Gradation of combined aggregate from recycled asphalt concrete	CT 202 (after extraction of binder)	5000 tonnes Not less than 1 sample per day	Mat behind paver	5 days

The Contractor shall take 30-kg samples of the recycled asphalt concrete for every 5000 tonnes placed and send them the Office of Materials Engineering and Testing Services (Attention: Asphalt Concrete Testing Lab) located at 5900 Folsom Boulevard, Sacramento, California 95819. Samples will be accompanied by a Form T101 designating the project stationing where the recycled asphalt concrete has been placed in addition to the information required to complete the form.

The provisions in Section 5-1.14, "Cost Reduction Incentive," of the Standard Specifications shall not apply to recycled asphalt concrete.

Full compensation for reclaimed asphalt concrete shall be considered as included in the contract price paid per tonne for Type A asphalt concrete and no separate payment therefor.

10-1.495 DISPOSAL OF PORTLAND CEMENT CONCRETE (PCC) PAVEMENT GROOVING AND GRINDING RESIDUES

Disposal of portland cement concrete (PCC) pavement grooving and grinding residues shall be in conformance with the provisions in Section 42, "Groove and Grind Pavement," of the Standard Specifications and these special provisions.

The Contractor shall include water pollution control measures to address the handling of the grinding pavement residue within the Storm Water Pollution Prevention Plan or Water Pollution Control Program, as specified in "Water Pollution Control," of these special provisions.

Temporary storage locations shown on the plans for PCC pavement grooving and grinding residues within the highway right of way may be used to dry the material before disposal outside the highway right of way. Temporary storage facilities for PCC pavement grooving and grinding residues shall be in conformance with WM-8, Concrete Waste Management in the Construction Site BMPs Manual or "Temporary Concrete Washout Facility," of these Special Provisions.

A Materials Information Handout is not available for disposal of PCC pavement grooving or grinding residues. The Contractor shall dispose of PCC pavement grooving and grinding residues in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside of the Right of Way," of the Standard Specifications. The facilities listed below were permitted by Regional Water Quality Control Board (RWQCB) or other agencies that may accept PCC pavement grinding and grooving residues as of July 1, 2004. If the Contractor is planning to use one of these sites, the Contractor shall determine if the facility has a current permit to accept PCC pavement grooving and grinding residues and if the facility can accept the waste at the time of generation.

SITE NAME	LOCATION	TELEPHONE	WASTE TYPES / RESTRICTIONS
Clean Harbors Environmental Services Buttonwillow	2500 West Lokern Road Buttonwillow, CA	(562) 432-5445	Hazardous Solids and Non-Hazardous Liquids and Solids
Clean Harbors Environmental Services San Jose	1021 Berryessa San Jose, CA	(408) 451-5000	Hazardous and Non-Hazardous Liquids
Crosby & Overton, Inc.	1610 W. 17th Street Long Beach, CA	(562) 432-5445	Hazardous and Non-Hazardous Liquids
D/K Environmental	3650 East 26th Street Vernon, CA	(323) 268-5056	Hazardous and Non-Hazardous Liquids and Solids
DeMenno-Kerdoon	200 N. Alameda Street Compton, CA	(323) 268-5057 (310) 537-7100	Hazardous and Non-Hazardous Liquids and Solids
Filter Recycling Services, Inc.	180 West Monte Avenue Rialto, CA	(909) 424-1630	Hazardous and Non-Hazardous Liquids
K-Pure Water Works	8910 Rochester Ave Rancho Cucamonga, CA	(909) 476-2308	Non-Hazardous Liquids
Liquid Waste Management McKittrick	56533 Highway 58 McKittrick, CA	(559) 386 - 6104	Non-Hazardous Liquids and Solids
Onyx Environmental Services LLC	1704 W. First Street Azusa, CA	(626) 334-5117	Hazardous and Non-Hazardous Liquids and Solids
Phibro-Tech, Inc.	8851 Dice Road Santa Fe Springs, CA	(562) 698-8036	Hazardous and Non-Hazardous Liquids and Solids
Romic Environmental Technologies Corporation	2081 Bay Road East Palo Alto, CA	(650) 324-1638	Hazardous and Non-Hazardous Liquids
Seaport Environmental	700 Seaport Boulevard Redwood City, CA	(650) 364-8154	Non-Hazardous Liquids
Southwest Treatment Systems, Inc.	4120 Bandini Boulevard Los Angeles, CA	(800) 900-3366	Non-Hazardous Liquids
US Filter Recovery Services, Inc.	5375 S. Boyle Avenue Vernon, CA	(323) 277-1495	Hazardous and Non-Hazardous Liquids and Solids
Waste Management Kettleman City	35251 Old Skyline Road Kettleman City, CA	(559) 386 - 6104	Hazardous and Non-Hazardous Liquids and Solids

If the Contractor disposes of PCC pavement grooving and grinding residues at locations not listed above, the disposal shall be in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications, and the following:

1. If the disposal facility is located within the State of California, the facility must be permitted by the RWQCB or other applicable agency, or the Contractor must obtain written approval from the RWQCB or other applicable agency.
2. If located outside of the State of California, the facility must be permitted by the applicable local, state, or federal agencies, or the Contractor must obtain written approval from the applicable local, state, or federal agencies.

The following shall be delivered to the Engineer at least 5 days before disposal of PCC pavement grooving and grinding residues:

1. The name, address, and telephone number of the disposal facility.
2. If the facility is not listed above:
   A. Copy of the facility's RWQCB or other applicable agency permit, or
   B. RWQCB's or other applicable agency's approval, or
   C. Copy of the applicable agency permit if the final disposal location is located outside of the State of California.

The Contractor shall deliver landfill receipts and weight ticket of disposal of residues from PCC pavement grooving and grinding to the Engineer within 5 days of completing of PCC pavement grooving and grinding activities.

The Contractor shall make all arrangements and agreements for the disposal at the time of bidding. Costs related to obtaining approval for disposal within the State of California from the RWQCB or other applicable agency, or the applicable agency if the disposal location is located outside of the State of California, shall be borne by the Contractor and no additional payment shall be made therefor.

Full compensation for all costs involved in disposing of PCC pavement grooving or grinding residues as specified in this section, including all costs of handling, temporary storage, hauling and disposal fees, shall be considered as included in the price paid for the contract item of work involving PCC pavement grooving or grinding residues and no additional compensation will be allowed therefor.

ENGINEER'S ESTIMATE
04-263904

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	152604	MODIFY INLET	EA	1		
42 (S)	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	M2	7280		
43	153210	REMOVE CONCRETE	M3	1		
44	153215	REMOVE CONCRETE (CURB AND GUTTER)	M3	110		
45	153222	REMOVE CONCRETE ISLAND (PORTIONS)	M3	10		
46	153230	REMOVE CONCRETE BARRIER (TYPE 50)	M	950		
47	153239	REMOVE CONCRETE (CURB, GUTTER, AND SIDEWALK)	M3	80		
48	155003	CAP INLET	EA	3		
49	157550	BRIDGE REMOVAL	LS	LUMP SUM	LUMP SUM	
50	158100	SALVAGE CRASH CUSHION	EA	14		
51	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
52	160120	REMOVE TREE	EA	1		
53	170101	DEVELOP WATER SUPPLY	LS	LUMP SUM	LUMP SUM	
54	190101	ROADWAY EXCAVATION	M3	8570		
55	190108	ROADWAY EXCAVATION (TYPE Y-2) (AERIALLY DEPOSITED LEAD)	M3	1040		
56	190106	ROADWAY EXCAVATION (TYPE Z-3) (AERIALLY DEPOSITED LEAD)	M3	46		
57	036982	ROADWAY EXCAVATION (TYPE R) (AERIALLY DEPOSITED LEAD)	M3	74		
58	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
59	190185	SHOULDER BACKING	STA	10		
60 (F)	192023	STRUCTURE EXCAVATION (TYPE H)	M3	1745		

ENGINEER'S ESTIMATE
04-263904

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	036985	LIME STABILIZATION	M2	12 000		
82	250401	CLASS 4 AGGREGATE SUBBASE	M3	3700		
83	260301	CLASS 3 AGGREGATE BASE	M3	3200		
84	270011	CEMENT TREATED BASE (PLANT-MIXED, CLASS A)	M3	1000		
85	270065	ASPHALTIC EMULSION (CURING SEAL)	TONN	8		
86	390153	ASPHALT CONCRETE (TYPE A)	TONN	21 900		
87	390175	ASPHALT CONCRETE (LEVELING)	TONN	1090		
88	391031	PAVING ASPHALT (BINDER-PAVEMENT REINFORCING FABRIC)	TONN	21		
89	393001	PAVEMENT REINFORCING FABRIC	M2	18 000		
90	394048	PLACE ASPHALT CONCRETE DIKE (TYPE E)	M	880		
91	394049	PLACE ASPHALT CONCRETE DIKE (TYPE F)	M	290		
92	397001	ASPHALTIC EMULSION (PAINT BINDER)	TONN	40		
93 (S)	415101	CRACK EXISTING CONCRETE PAVEMENT	M2	15 100		
94 (S)	420201	GRIND EXISTING CONCRETE PAVEMENT	M2	270		
95	490700	FURNISH PILING (CLASS 900) (ALTERNATIVE W)	M	2184		
96 (S)	490701	DRIVE PILE (CLASS 900) (ALTERNATIVE W)	EA	152		
97	491012	FURNISH PILING (CLASS 400) (ALTERNATIVE W)	M	392		
98 (S)	491013	DRIVE PILE (CLASS 400) (ALTERNATIVE W)	EA	32		
99	BLANK					
100 (S)	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	

ENGINEER'S ESTIMATE
04-263904

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	M3	220		
102 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	M3	1155		
103 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	M3	448.6		
104 (F)	510088	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N MODIFIED)	M3	190		
105 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	M3	67		
106	510526	MINOR CONCRETE (BACKFILL)	M3	80		
107 (F)	511064	FRACTURED RIB TEXTURE	M2	362		
108 (S-F)	518002	SOUND WALL (MASONRY BLOCK)	M2	348.5		
109	040005	JACKING SUPERSTRUCTURE	LS	LUMP SUM	LUMP SUM	
110 (S)	519144	JOINT SEAL (MR 50 MM)	M	69		
111 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	207 750		
112 (S-F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	31 268		
113	BLANK					
114 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	KG	28 990		
115 (S-F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	KG	28 990		
116	560223	FURNISH SIGN STRUCTURE (BRIDGE MOUNTED WITHOUT WALKWAY)	KG	770		
117 (S)	560224	INSTALL SIGN STRUCTURE (BRIDGE MOUNTED WITHOUT WALKWAY)	KG	770		
118 (S)	561015	1524 MM CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	M	29.2		
119	566011	ROADSIDE SIGN - ONE POST	EA	24		
120	566012	ROADSIDE SIGN - TWO POST	EA	5		